

Appendix A

A Source Code Compendium of System Accessible COIGN Definitions

```
//
//      Module:          coign
//      File:          coign.h
//      Author:        Galen C. Hunt
//      Copyright:  1996-1998
//      Abstract:     System accessible Coign definitions.
//
#pragma once
#ifndef _COIGN_H_
#define _COIGN_H_

#define NODEBUG

////////////////////////////////////////////////////////////////
//
#include <objbase.h>
#include <objidl.h>
#include <ocidl.h>
#include <olectl.h>
#include "coignidl.h"
#ifndef INITGUID
#include "coignidl_i.c"
#endif

#include "coignusr.h"

//////////////////////////////////////////////////////////////// .coign Section Header.
//
#pragma pack(push, 16)

struct CCoignPayloadHeader
{
    ULONG      dwFlags;
    CLSID      LoggerClsid;
    CLSID      InformerClsid;
    CLSID      ClassifierClsid;
    CLSID      OtherClsid;
};

#pragma pack(pop)

////////////////////////////////////////////////////////////////
//
DEFINE_GUID(CLSID_CoignNull,
0x00000000,0x0000,0x0000,0x00,0x00,0x00,0x00,0x00,0x00,0x00);

DEFINE_GUID(GUID_CoignPayloadHeader,                                // Payload
Header
0x9ceeb00f,0xe415,0x11d0,0x98,0xd1,0x00,0x60,0x97,0xb0,0x10,0xe3); // Null Logger
DEFINE_GUID(CLSID_CoignLoggerNull,                                // Null Logger
0x9ceeb00f,0xe415,0x11d0,0x98,0xd1,0x00,0x60,0x97,0xb0,0x10,0xe3); // Null Logger
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0x9ceeb014,0xe415,0x11d0,0x98,0xd1,0x00,0x60,0x97,0xb0,0x10,0xe3);  
DEFINE_GUID(CLSID_CoignLoggerEvent, // Event  
Logger  
  
0x9ceeb015,0xe415,0x11d0,0x98,0xd1,0x00,0x60,0x97,0xb0,0x10,0xe3);  
DEFINE_GUID(CLSID_CoignLoggerProfile, // Profile  
Logger  
  
0x9ceeb016,0xe415,0x11d0,0x98,0xd1,0x00,0x60,0x97,0xb0,0x10,0xe3);  
  
DEFINE_GUID(CLSID_CoignInformerNull, // Null  
Informer  
  
0x9ceeb018,0xe415,0x11d0,0x98,0xd1,0x00,0x60,0x97,0xb0,0x10,0xe3);  
DEFINE_GUID(CLSID_CoignInformerNdr, // NDR  
Informer  
  
0x9ceeb019,0xe415,0x11d0,0x98,0xd1,0x00,0x60,0x97,0xb0,0x10,0xe3);  
DEFINE_GUID(CLSID_CoignInformerRegistry, // Register-based  
Informer  
  
0x9ceeb01a,0xe415,0x11d0,0x98,0xd1,0x00,0x60,0x97,0xb0,0x10,0xe3);  
  
DEFINE_GUID(CLSID_CoignClassifierNull, // Null  
Classifier  
  
0x9ceeb01c,0xe415,0x11d0,0x98,0xd1,0x00,0x60,0x97,0xb0,0x10,0xe3);  
DEFINE_GUID(CLSID_CoignClassifierClSID, // CLSID Classifier  
  
0x9ceeb01d,0xe415,0x11d0,0x98,0xd1,0x00,0x60,0x97,0xb0,0x10,0xe3);  
DEFINE_GUID(CLSID_CoignClassifierClSIDFunc, // CLSID-Function  
Classifier  
  
0x9ceeb01e,0xe415,0x11d0,0x98,0xd1,0x00,0x60,0x97,0xb0,0x10,0xe3);  
DEFINE_GUID(CLSID_CoignClassifierStack, // Stack Classifier  
  
0x9ceeb01f,0xe415,0x11d0,0x98,0xd1,0x00,0x60,0x97,0xb0,0x10,0xe3);  
DEFINE_GUID(CLSID_CoignClassifierObjectStack, // Object-Stack  
Classifier  
  
0x9ceeb020,0xe415,0x11d0,0x98,0xd1,0x00,0x60,0x97,0xb0,0x10,0xe3);  
DEFINE_GUID(CLSID_CoignClassifierLog, // Logging  
Classifier  
  
0x9ceeb021,0xe415,0x11d0,0x98,0xd1,0x00,0x60,0x97,0xb0,0x10,0xe3);  
DEFINE_GUID(CLSID_CoignClassifierEP3C, // EP3C  
Classifier  
  
0x9ceeb022,0xe415,0x11d0,0x98,0xd1,0x00,0x60,0x97,0xb0,0x10,0xe3);  
DEFINE_GUID(CLSID_CoignClassifierI3C, // I3C  
Classifier  
  
0x9ceeb023,0xe415,0x11d0,0x98,0xd1,0x00,0x60,0x97,0xb0,0x10,0xe3);  
DEFINE_GUID(CLSID_CoignClassifierIncremental, // Incremental  
Classifier
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0x9ceeb024,0xe415,0x11d0,0x98,0xd1,0x00,0x60,0x97,0xb0,0x10,0xe3);

DEFINE_GUID(CLSID_CoignClassificationDepth, // Classification Depth
            0x9ceeb02f,0xe415,0x11d0,0x98,0xd1,0x00,0x60,0x97,0xb0,0x10,0xe3);

DEFINE_GUID(CLSID_CoignObjectPartition, // Partition Assignments
            0x9ceeb030,0xe415,0x11d0,0x98,0xd1,0x00,0x60,0x97,0xb0,0x10,0xe3);

DEFINE_GUID(CLSID_CoignRemoteHost,
            0x9ceeb050,0xe415,0x11d0,0x98,0xd1,0x00,0x60,0x97,0xb0,0x10,0xe3);
DEFINE_GUID(CLSID_CoignLocalHost,
            0x9ceeb051,0xe415,0x11d0,0x98,0xd1,0x00,0x60,0x97,0xb0,0x10,0xe3);

DEFINE_GUID(CLSID_CoignSystem,
            0x9ceeb040,0xe415,0x11d0,0x98,0xd1,0x00,0x60,0x97,0xb0,0x10,0xe3);
DEFINE_GUID(CLSID_CoignApplication,
            0x9ceeb041,0xe415,0x11d0,0x98,0xd1,0x00,0x60,0x97,0xb0,0x10,0xe3);
DEFINE_GUID(CLSID_CoignChannelHookExtension,
            0x9ceeb042,0xe415,0x11d0,0x98,0xd1,0x00,0x60,0x97,0xb0,0x10,0xe3);

DEFINE_OLEGUID(IID_IStdIdentity, 0x00000001bL, 0, 0);

DEFINE_GUID(IID_IRpcChannelBuffer2,
            0x594f31d0,0x7f19,0x11d0,0xb1,0x94,0x00,0xa0,0xc9,0x0d,0xc8,0xbf);

DEFINE_GUID(CLSID_StgDocFile,
            0xbeef0001,0xe912,0x11d1,0xb6,0xcc,0x00,0x60,0x97,0xb0,0x10,0xe3);
DEFINE_GUID(CLSID_DataAdviseHolder,
            0xbeef0002,0xe912,0x11d1,0xb6,0xcc,0x00,0x60,0x97,0xb0,0x10,0xe3);

///////////////////////////////
// enum {
    COIGN_FLAG_IS_REMOTE_SURROGATE          = 0x80000000, // coignrem.exe
    COIGN_FLAG_RI_FLAG_IN                   = 0x8000, // Input
    Parameter
    COIGN_FLAG_RI_FLAG_OUT                 = 0x4000, // Output
    Parameter
    COIGN_FLAG_RI_FLAG_CONSTANT            = 0x2000, // Constant
    IID Interface
    COIGN_FLAG_RI_FLAG_DEREFERENCE        = 0x1000, // Ptr to
    Interface Ptr

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COIGN_FLAG_RI_FLAG_OFFSET           = 0xffff,           // Offset Mask
COIGN_FLAG_CLASSIFIER_FLAG_APP     = 0,
COIGN_FLAG_CLASSIFIER_FLAG_SYS     = 1,
COIGN_FLAG_CLASSIFIER_FLAG_ROT     = 2,
COIGN_FLAG_CLASSIFIER_FLAG_UNK     = 3,
COIGN_FLAG_CLASSIFIER_FLAG_NONE    = 4,
COIGN_FLAG_CLASSIFIER_FLAG_BASE    = 5,
};

enum {
    COIGN_HOST_LOCAL                 = 0,           // Anynode (here)
    COIGN_HOST_CLIENT                = 1,           // Home node.
    COIGN_HOST_SERVER                = 2,           // Other Node.
    COIGN_HOST_LAST                  = 8,           // Max Node.
};

////////////////////////////////////////////////////////////////
//  

#define S_COIGN_CREATED           ((HRESULT)0x00000010L)  

#define S_COIGN_EXISTED            ((HRESULT)0x00000011L)  

#define S_COIGN_SIZE_REMOTE         ((HRESULT)0x00000100L)  

#define E_COIGN_IDL_REF_NULL        ((HRESULT)0x800706f4L)  

  

//////////////////////////////////////////////////////////////// Assertion Handling.  

//  

#ifndef _DEFINED_ASMBREAK_  

#define _DEFINED_ASMBREAK_  

#define ASMBREAK()      __asm { int 3 }  

//#define ASMBREAK()      DebugBreak()  

#endif      // _DEFINED_ASMBREAK_  

  

#ifndef NODEBUG  

#define ASSERT  

VOID CoignAssertMessage(CONST PCHAR szMsg, CONST PCHAR szFile, ULONG nLine);  

#define ASSERT(x)  \
do { if (!(x)) { CoignAssertMessage(#x, __FILE__, __LINE__); ASMBREAK(); } }  

while (0)  

;  

#define ASSERTX(x)  \
do { if (!(x)) { CoignAssertMessage(#x, __FILE__, __LINE__); PCHAR p=(PCHAR) (x);  

*p = 1; } } while (0)  

;  

#else // NODEBUG  

#define ASSERT  

#define ASSERT(x)  

#define ASSERTX(x)  

#endif      // NODEBUG  

  

////////////////////////////////////////////////////////////////
#ifndef _DEFINED_LOADCYCLECOUNTER_
#define _DEFINED_LOADCYCLECOUNTER_
#define CoignLoadCycleCount(x) \
__asm { \

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__asm lea    ecx, x          \
__asm    _emit 0x0f          \
__asm    _emit 0x31          \
__asm mov [ecx], eax        \
__asm mov [ecx+4], edx      \
}
#endif // _DEFINED_LOADCYCLECOUNTER_

#define arrayof(x)           (sizeof(x)/sizeof(x[0]))
#define wcssize(x)           ((wcslen(x) + 1) * sizeof(WCHAR))
#define strsize(x)            ((strlen(x) + 1) * sizeof(CHAR))

/////////////////////////////// Functions.
//  

STDAPI CoignEnableRecord(void);
STDAPI CoignDisableRecord(void);
STDAPI CoignTestRecord(void);
STDAPI CoignEnableDebug(void);
STDAPI CoignDisableDebug(void);
STDAPI CoignTestDebug(void);
STDAPI CoignReset(void);
STDAPI CoignFlush(void);
STDAPI CoignDisableTryCatch(VOID);
STDAPI CoignEnableTryCatch(VOID);

STDAPI CoignSetOption(PWCHAR pwzOption, PWCHAR pwzValue);
STDAPI CoignUnwrapInterface(IUnknown *punkSrc, IUnknown **ppunkDst);
STDAPI CoignGetRawInterface(IUnknown *punkSrc, IUnknown **ppunkDst);
STDAPI_(PVOID) CoignToRawInterface(PVOID);
STDAPI_(PVOID) CoignWrapInterface(PVOID);
STDAPI CoignClientComponent(IUnknown *punk);
STDAPI CoignServerComponent(IUnknown *punk);
STDAPI CoignMessage(PCSTR msg, ...);

STDAPI CoignNull(void);
STDAPI CoignTerminate(HINSTANCE hInst);
STDAPI CoignMessageWrite(PBYTE pbData, ULONG cbData);
STDAPI CoignLog(PCSTR msg, ...);
STDAPI CoignLogWrite(PBYTE pbData, ULONG cbData);

STDAPI CoignInternalCodeAdd(PVOID pv);
STDAPI CoignInternalCodeRemove(PVOID pv);
STDAPI CoignInternalCodeFind(PVOID pv);
STDAPI CoignInternalCodeFindRegion(PVOID pv, PVOID *ppBeg, PVOID *ppEnd);
STDAPI CoignSystemCodeAdd(PVOID pv);
STDAPI CoignSystemCodeRemove(PVOID pv);
STDAPI CoignSystemCodeFind(PVOID pv);
STDAPI CoignSystemCodeFindRegion(PVOID pv, PVOID *ppBeg, PVOID *ppEnd);
STDAPI CoignFindExtraData(REFCLSID rclsid, PBYTE *ppbData, ULONG *pcbData);

STDAPI CoignSelectQueryInterface(DWORD dwCount, MULTI_QI *pResults,
                                 REFIID riid, void **ppv);

STDAPI CoignConnectServer(OLECHAR *pwszHostName /*[in]*/, ULONG *pnHostId);
STDAPI CoignFindFactory(ULONG nHostId, ICOignFactory **ppFactory);
STDAPI CoignNotifyOnClose(HRESULT (*pfNotifyCallback)(VOID));

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STDAPI CoignGetLogger(ICOignLogger **ppLogger);
STDAPI CoignGetInformer(ICOignInterfaceInformer **ppInformer);
STDAPI CoignGetClassifier(ICOignObjectClassifier **ppClassifier);

STDAPI CoignDumpStack(void);
STDAPI CoignGetProcessorCycles(LONGLONG *pllCycles);

////////////////////////////// Rerouting.
// 
STDAPI Coign_DllGetClassObject(REFCLSID rclsidReal,
                               IUnknown * (*pfNew)(VOID),
                               PLONG pnLock,
                               REFCLSID rclsidWanted,
                               REFIID riid,
                               LPVOID *ppv);

STDAPI Coign_DllRegisterServer(REFCLSID clsid,
                               HINSTANCE hInst,
                               PWCHAR pwzDescription);

STDAPI Coign_DllUnregisterServer(REFCLSID clsid);

////////////////////////////// Rerouting.
// 
STDAPI Coign_CoInitialize(LPVOID pvReserved);
STDAPI Coign_CoInitializeEx(LPVOID pvReserved,
                           DWORD dwCoInit);

STDAPI Coign_CoMarshalInterface(LPSTREAM pStm,
                               REFIID riid,
                               LPUNKNOWN pUnk,
                               DWORD dwDestContext,
                               LPVOID pvDestContext,
                               DWORD mshlfFlags);

STDAPI Coign_CoUnmarshalInterface(LPSTREAM pStm,
                               REFIID riid,
                               LPVOID FAR* ppv);

STDAPI Coign_CoGetClassObject(REFCLSID rclsid,
                               DWORD dwClsContext,
                               PVOID pvReserved,
                               REFIID riid,
                               PVOID *ppv);

STDAPI Coign_CoCreateInstance(REFCLSID rclsid,
                               LPUNKNOWN punkOuter,
                               DWORD dwClsContext,
                               REFIID riid,
                               PVOID *ppv);

STDAPI Coign_CoGetInstanceFromFile(COSERVERINFO *pServerInfo,
                               CLSID *pClSID,
                               IUnknown *punkOuter,
                               DWORD dwClSID,
                               DWORD grfMode,
                               const OLECHAR *pwszName,
                               DWORD dwCount,
                               MULTI_QI *pResults);

STDAPI Coign_CoGetInstanceFromIStorage(COSERVERINFO *pServerInfo,
                               CLSID *pClSID,
                               IUnknown *punkOuter,

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        DWORD dwClsCtx,
        IStorage *pstg,
        DWORD dwCount,
        MULTI_QI *pResults);

STDAPI Coign_CoCreateInstanceEx(REFCLSID Clsid,
                                IUnknown *punkOuter,
                                DWORD dwClsCtx,
                                COSERVERINFO *pServerInfo,
                                DWORD dwCount,
                                MULTI_QI *pResults);

STDAPI Coign_StgCreateDocfile(const OLECHAR *pwcsName,
                               DWORD grfMode,
                               DWORD reserved,
                               IStorage **ppstgOpen);

STDAPI Coign_OleCreate(REFCLSID rclsid,
                      REFIID riid,
                      DWORD renderopt,
                      FORMATETC *pFormatEtc,
                      IOleClientSite *pClientSite,
                      IStorage *pStg,
                      void **ppv);

STDAPI Coign_OleCreateFromData(LPDATAOBJECT pSrcDataObj,
                               REFIID riid,
                               DWORD renderopt,
                               LPFORMATETC pFormatEtc,
                               LPOLECLIENTSITE pClientSite,
                               LPSTORAGE pStg,
                               PVOID *ppv);

STDAPI Coign_OleLoad(IStorage *pStg,
                      REFIID riid,
                      IOleClientSite *pClientSite,
                      PVOID *ppv);

STDAPI Coign_CoRegisterClassObject(REFCLSID rclsid,
                                   LPUNKNOWN pUnk,
                                   DWORD dwClsContext,
                                   DWORD flags,
                                   LPDWORD lpdwRegister);

STDAPI Coign_CoRevokeClassObject(DWORD dwRegister);

STDAPI Coign_StgCreateDocfileOnILockBytes(ILockBytes *plkbyt,
                                           DWORD grfMode,
                                           DWORD reserved,
                                           IStorage
                                           **ppstgOpen);

STDAPI Coign_StgOpenStorage(const OLECHAR *pwcsName,
                           IStorage *pstgPriority,
                           DWORD grfMode,
                           SNB snbExclude,
                           DWORD reserved,
                           IStorage **ppstgOpen);

STDAPI Coign_StgOpenStorageOnILockBytes(ILockBytes *plkbyt,
                                         IStorage
                                         *pstgPriority,
                                         DWORD grfMode,
                                         SNB snbExclude,
                                         DWORD reserved,
                                         IStorage
                                         **ppstgOpen);

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STDAPI Coign_StgOpenAsyncDocfileOnIFillLockBytes(IFillLockBytes *pflb,
                                                DWORD
                                                grfMode,
                                                DWORD
                                                asyncFlags,
                                                IStorage **ppstgOpen);
STDAPI Coign_StgGetIFillLockBytesOnILockBytes(ILockBytes *pilb,
                                                IFillLockBytes
                                                **ppflb);
STDAPI Coign_StgGetIFillLockBytesOnFile(const OLECHAR *pwcsName,
                                                IFillLockBytes
                                                **ppflb);
STDAPI Coign_BindMoniker(LPMONIKER pmk,
                           DWORD grfOpt,
                           REFIID riid,
                           PVOID *ppvResult);
STDAPI Coign_CoGetObject(LPCWSTR pszName,
                           BIND_OPTS *pBindOptions,
                           REFIID riid,
                           void **ppv);
STDAPI Coign_MkParseDisplayName(LPBC pbc,
                                LPCOLESTR szUserName,
                                ULONG *pchEaten,
                                LPMONIKER *ppmk);
STDAPI Coign_MonikerRelativePathTo(LPMONIKER pmkSrc,
                                    LPMONIKER pmkDest,
                                    LPMONIKER *ppmk,
                                    BOOLEAN dwReserved);
STDAPI Coign_MonikerCommonPrefixWith(LPMONIKER pmkThis,
                                    LPMONIKER pmkOther,
                                    LPMONIKER *ppmk);
STDAPI Coign_CreateBindCtx(DWORD reserved,
                           LPBC *ppbc);
STDAPI Coign_CreateGenericComposite(LPMONIKER pmkFirst,
                                    LPMONIKER pmkRest,
                                    LPMONIKER *ppmk);
STDAPI Coign_CreateClassMoniker(REFCLSID rclsid,
                                LPMONIKER *ppmk);
STDAPI Coign_CreateFileMoniker(LPCOLESTR lpszPathName,
                                LPMONIKER *ppmk);
STDAPI Coign_CreateItemMoniker(LPCOLESTR lpszDelim,
                                LPCOLESTR lpszItem,
                                LPMONIKER *ppmk);
STDAPI Coign_CreateAntiMoniker(LPMONIKER *ppmk);
STDAPI Coign_CreatePointerMoniker(LPUNKNOWN punk,
                                    LPMONIKER *ppmk);
STDAPI Coign_GetRunningObjectTable(DWORD reserved,
                                    LPRUNNINGOBJECTTABLE *pprot);
STDAPI Coign_CreateDataAdviseHolder(LPDATAADVISEHOLDER* ppDAHolder);
STDAPI Coign_OleCreateEx(REFCLSID rclsid,
                        REFIID riid,
                        DWORD dwFlags,
                        DWORD renderopt,
                        ULONG cFormats,
                        DWORD* rgAdvf,
                        LPFORMATETC rgFormatEtc,

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IAdviseSink* lpAdviseSink,
DWORD* rgdwConnection,
LPOLECLIENTSITE pClientSite,
LPSTORAGE pStg,
PVOID* ppv);

STDAPI Coign_OleCreateFromDataEx(LPDATAOBJECT pSrcDataObj,
                                  REFIID riid,
                                  DWORD dwFlags,
                                  DWORD renderopt,
                                  ULONG cFormats,
                                  DWORD* rgAdvf,
                                  LPFORMATETC rgFormatEtc,
                                  IAdviseSink* lpAdviseSink,
                                  DWORD* rgdwConnection,
                                  LPOLECLIENTSITE pClientSite,
                                  LPSTORAGE pStg,
                                  PVOID* ppv);

STDAPI Coign_OleCreateLinkFromData(LPDATAOBJECT pSrcDataObj,
                                   REFIID riid,
                                   DWORD renderopt,
                                   LPFORMATETC pFormatEtc,
                                   LPOLECLIENTSITE pClientSite,
                                   LPSTORAGE pStg,
                                   PVOID* ppv);

STDAPI Coign_OleCreateLinkFromDataEx(LPDATAOBJECT pSrcDataObj,
                                      REFIID riid,
                                      DWORD dwFlags,
                                      DWORD renderopt,
                                      ULONG cFormats,
                                      DWORD* rgAdvf,
                                      LPFORMATETC rgFormatEtc,
                                      IAdviseSink*
lpAdviseSink,
                                      DWORD* rgdwConnection,
                                      LPOLECLIENTSITE
pClientSite,
                                      LPSTORAGE pStg,
                                      PVOID* ppv);

STDAPI Coign_OleCreateStaticFromData(LPDATAOBJECT pSrcDataObj,
                                      REFIID riid,
                                      DWORD renderopt,
                                      LPFORMATETC pFormatEtc,
                                      LPOLECLIENTSITE
pClientSite,
                                      LPSTORAGE pStg,
                                      PVOID* ppv);

STDAPI Coign_OleCreateLink(LPMONIKER pmkLinkSrc,
                           REFIID riid,
                           DWORD renderopt,
                           LPFORMATETC lpFormatEtc,
                           LPOLECLIENTSITE pClientSite,
                           LPSTORAGE pStg,
                           PVOID* ppv);

STDAPI Coign_OleCreateLinkEx(LPMONIKER pmkLinkSrc,
                            REFIID riid,
                            DWORD dwFlags,
                            DWORD renderopt,

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    ULONG cFormats,
    DWORD* rgAdvf,
    LPFORMATETC rgFormatEtc,
    IAdviseSink* lpAdviseSink,
    DWORD* rgdwConnection,
    LPOLECLIENTSITE pClientSite,
    LPSTORAGE pStg,
    PVOID* ppv);
STDAPI Coign_OleCreateLinkToFile(LPCOLESTR lpszFileName,
                                  REFIID riid,
                                  DWORD renderopt,
                                  LPFORMATETC lpFormatEtc,
                                  LPOLECLIENTSITE pClientSite,
                                  LPSTORAGE pStg,
                                  PVOID* ppv);
STDAPI Coign_OleCreateLinkToFileEx(LPCOLESTR lpszFileName,
                                    REFIID riid,
                                    DWORD dwFlags,
                                    DWORD renderopt,
                                    ULONG cFormats,
                                    DWORD* rgAdvf,
                                    LPFORMATETC rgFormatEtc,
                                    IAdviseSink* lpAdviseSink,
                                    DWORD* rgdwConnection,
                                    LPOLECLIENTSITE pClientSite,
                                    LPSTORAGE pStg,
                                    PVOID* ppv);
STDAPI Coign_OleCreateFromFile(REFCLSID rclsid,
                               LPCOLESTR lpszFileName,
                               REFIID riid,
                               DWORD renderopt,
                               LPFORMATETC lpFormatEtc,
                               LPOLECLIENTSITE pClientSite,
                               LPSTORAGE pStg,
                               PVOID* ppv);
STDAPI Coign_OleCreateFromFileEx(REFCLSID rclsid,
                                 LPCOLESTR lpszFileName,
                                 REFIID riid,
                                 DWORD dwFlags,
                                 DWORD renderopt,
                                 ULONG cFormats,
                                 DWORD* rgAdvf,
                                 LPFORMATETC rgFormatEtc,
                                 IAdviseSink* lpAdviseSink,
                                 DWORD* rgdwConnection,
                                 LPOLECLIENTSITE pClientSite,
                                 LPSTORAGE pStg,
                                 PVOID* ppv);
STDAPI Coign_OleLoadFromStream(LPSTREAM pStm,
                               REFIID riid,
                               PVOID* ppv);
STDAPI Coign_OleGetClipboard(LPDATAOBJECT* ppDataObj);
STDAPI Coign_CreateOleAdviseHolder(LPOLEADVISEHOLDER* ppOAHolder);
STDAPI Coign_OleCreateDefaultHandler(REFCLSID clsid,
                                    LPUNKNOWN pUnkOuter,
                                    REFIID riid,
                                    PVOID* ppObj);

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STDAPI Coign_OleCreateEmbeddingHelper(REFCLSID clsid,
                                         LPUNKNOWN pUnkOuter,
                                         DWORD flags,
                                         LPCCLASSFACTORY pCF,
                                         REFIID riid,
                                         PVOID* ppObj);

STDAPI Coign_OleRegEnumFormatEtc(REFCLSID clsid,
                                   DWORD dwDirection,
                                   LPENUMFORMATETC* ppenum);

STDAPI Coign_OleRegEnumVerbs(REFCLSID clsid,
                             LPENUMOLEVERB* ppenum);

STDAPI Coign_OleCreateFontIndirect(LPFONTDESC lpFontDesc,
                                   REFIID riid,
                                   PVOID* ppv);

STDAPI Coign_OleCreatePictureIndirect(LPICTDESC lpPictDesc,
                                       REFIID riid,
                                       BOOLEAN fOwn,
                                       PVOID* ppv);

STDAPI Coign_OleLoadPicture(LPSTREAM lpstream,
                            LONG lSize,
                            BOOLEAN fRunmode,
                            REFIID riid,
                            PVOID* ppv);

STDAPI Coign_OleLoadPictureFile(VARIANT varFileName,
                                LPDISPATCH* ppdispPicture);

STDAPI Coign_CreateStreamOnHGlobal(HGLOBAL hGlobal,
                                   BOOLEAN fDeleteOnRelease,
                                   LPSTREAM *ppStm);

/////////////////////////////// End of File.

#endif      // _COIGN_H_
```